

Focusing on the Future

See what kind of education you need for each job!

Once you've looked at your options for registration, take time to check out the **Career Clusters** section. In it, you will find 16, yes, 16 different career areas that you might want to learn more about in school. The 16 Career Clusters are grouped under six Super Clusters:



Agriculture & Natural Resources



Arts & Communications



Business & Management



Engineering & Industrial Systems

















Health Sciences



Human Resources

		Careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.
		Careers in designing, planning, managing, building, and maintaining the built environment.
		Careers in the manufacturing, selling, renting, designing, installing, integrating, operating, and repair of the equipment of audiovisual communications. Careers in the gathering and presenting of stories and news.
		Careers in planning, organizing, directing, and evaluating business functions for efficient and productive business operations.
		Careers in planning, managing, and providing education and training services and related learning support services.
		Careers in financial and investment planning, banking, insurance, and business financial management.
		Careers in making and executing public policy and providing vital services.
		Careers that promote health, wellness, and diagnosis as well as treat injuries and diseases.
		Careers in management, marketing, and operations of restaurants and other food services, lodging, attractions, recreation events, and travel-related services.

		Careers related to families and human needs.
		Careers in implementing computer systems and software, providing technical assistance and managing information systems.
		Careers in planning, managing, and providing legal, public safety, protective services, and homeland security, in professional and technical support services.
		Careers in planning, managing, and performing the processing of materials into intermediate or final products.
		Careers in planning, managing, and performing marketing activities.
		Careers in planning, managing, and providing scientific research and professional technical services including laboratory and testing services.
		Careers in planning, management, and movement of people, materials, and products by road, air, rail, and water.

Career Clusters are groupings of occupations, entry level through management, sharing common business functions and activities, and requiring similar core knowledge and skills. This knowledge and these skills can be tied to standards and curriculum to better prepare students. By providing the links between school and the workplace, students understand the relevancy of what they are learning. Career exploration within the cluster structure allows students to match their interests, skills, and education with possible careers.

Students must receive strong career guidance so they can consider a cluster and develop a graduation plan based on their individual interests. The intent is not for students to decide on a specific occupation for the rest of their

lives, but to have them choose a Career Cluster into which they can begin to direct their energies. Students will be able to move between clusters as their interests develop or change.

Each cluster area is designed to improve communication skills, academic success, and thinking skills. Personalized education plans and reliable assessment measures are key components.

Students and parents can use the cluster information to make course selections and develop future plans. Additional Career Clusters information can be found online through the Division of Professional-Technical Education at http://www.pte.idaho.gov/guidance/career_clusters.htm.

Recommended courses are tools to be used when making developing the student's Individual Graduation Plan now and in future years.



The **AGRICULTURE AND NATURAL RESOURCES** super cluster consists of one cluster: ***Agriculture, Food, and Natural Resources***. This cluster includes specialties in the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. Students with the following interests or talents may wish to consider occupations in this

super cluster area:

- working outdoors with plants, animals, or nature in general
- helping others understand and enjoy their natural surroundings
- learning about and managing a natural resource
- growing things for consumption or beautification
- observing, investigating, analyzing, or solving problems related to plants, animals or nature

Foreign Language

French

German

Japanese

Latin

Spanish

Language Arts

AP Literature/Composition

Creative Writing

Debate

Journalism

News Production

Speech

Technical Reading & Writing

Theatre Arts

Yearbook Production

Mathematics

Accelerated Math Analysis

AP Statistics

Algebra 1 & 2

AP Calculus

Calculus

Geometry

Math Analysis

Math-in-the-Workplace 1 & 2

Pre-Algebra

Music

Band

Choir

Orchestra

Professional-Technical Courses

Business Law

Computer Applications 1 & 2

Cooperative Education Programs

Drafting

Graphic Communications

Keyboarding Applications

Marketing Economics

Mechanical Engineering Principles

Microsoft Office Applications

Personal Finance

Science

Astronomy

Biology

Biology of Idaho

Chemistry

Chemistry in the Community

Earth Science

Ecology/Natural Resource Science

Environmental Science

Geology

Physical Science

Physics

Zoology/Fish & Wildlife

Social Studies

American Government

Economics

Practical Law

Psychology

Sociology

U.S. History



The **ARTS AND COMMUNICATIONS** super cluster is comprised of one cluster: ***Arts, A/V Technology, and Communications***. This cluster includes career specialties in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Students with the following interests or talents may wish to consider occupations in this super cluster area:

- expressing ideas and feelings visually, verbally musically, or physically
- creating with your hands
- working in less-structured areas using your imagination or creativity
- interest in music, theatre, creative design, photography, writing and/or visual production

Arts and Crafts

Art

Ceramics

Creative Crafts

Commercial Art

Drawing

Painting

Photography

Foreign Language

French

German

Japanese

Latin

Spanish

Language Arts

Accelerated English

AP Literature/Composition

Creative Writing

Debate

English

Journalism

News Production

Reading Improvement

Speech

Technical Reading & Writing

Theater Arts

Yearbook Production

Music

Band

Choir

Music Appreciation

Music Theory

Orchestra

Professional-Technical Courses

Architectural Drafting

Broadcast Technology I, II, & III

Professional-Technical Courses

Business Law

Business Management/Sports & Entertainment

Career & Personal Development

Computer Aided Drafting/Design/ Machining

Computer Applications 1 & 2

Computer Science A, AP

Drafting

Desktop Publishing

Entrepreneurship/Creating Your Own Business

Graphic Communications

ICT—Information Communication

Technologies

Information Technologies

Journalism I, II & III

Keyboarding Applications

Marketing Economics

Marketing Promotion

Mechanical Engineering Principles

Microsoft Office Applications

Photography I, II & III

Structural Engineering Principles

Technical Illustration Technology

Technology Education

Video 1

Science

Ecology

Horticulture

Zoology/Fish and Wildlife

Social Studies

AP European History
American Government
Practical Law

Psychology
Sociology
U.S. History

Western Civilization
Special Offerings
Beginning Sign Language
Dance Team



The **BUSINESS AND MANAGEMENT** super cluster is comprised of four clusters. The ***Business, Management & Administration*** cluster includes career specialties in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations, in every sector of the economy. The ***Finance*** cluster includes career specialties in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations, in every sector of the economy. The ***Hospitality & Tourism*** cluster includes specialties in managing, marketing and operating of restaurants and other foodservices, lodging, attractions, recreation events and travel related services. The ***Marketing, Sales & Service*** cluster includes career specialties in planning, managing, and performing marketing activities to reach organizational objectives. Students with the following interests or talents may wish to consider occupations in this super cluster area:

- planning and directing the activities of an organization
- working in structured environments with clear guidelines
- doing detail work with numbers or words in an organized and efficient manner
- persuading or convincing others of your point of view
- leading others to accomplish goals of the organization
- marketing products or ideas to others

Foreign Language

French
German
Japanese
Latin
Spanish

Language Arts

AP English
AP Literature Composition
Creative Writing
Debate
English
Journalism
Newspaper Production
Speech
Theater Arts
Yearbook Production

Mathematics

Accelerated Math Analysis
AP Statistics
Algebra 1 & 2
Calculus
Geometry
Math Analysis
Math in the Workplace 1 & 2
Pre-Algebra

Military Science

Army – JROTC

Professional-Technical Courses

Business Machines

Business Law
Business Management/Sports &
Entertainment
Computer Applications 1 & 2
Computer Science A, AP
Computerized Accounting 1 & 2
Computer Networking Basics
Computer Support Essentials
Cooperative Education Marketing
Desktop Publishing
Entrepreneurship/Creating Your
Own Business
Filing and Records Management
ICT—Information Communication
Technologies
ICT—Information Communication
Technologies—Help Desk
ICT—Information Communication
Technologies—Video/Graphics
Applications I & II
IT Internship
Introduction to Multimedia
Internetworking Techniques
Keyboarding Applications
Keyboarding Review 1-2-3-4
Marketing Economics
Marketing Promotion
Microsoft Office Applications
Network Administration
Network Operating Systems

Personal Finance
Spelling
Technology Assistant Internship
Webmaster Fundamentals/
Advanced HTML
Travel and Hospitality Academy
(Borah High School)
English for Travel & Tourism
Geography/Economics for Travel &
Tourism
Internship
Introduction to Travel & Hospitality
Strategies for Success
Systems Applications
Travel Destinations
U.S. History for Travel &
Hospitality
World Literature/Global Studies
Social Studies
American Economics
American Government
AP European History
AP Macroeconomics
Practical Law
Psychology
Sociology
U.S. History
Western Civilization
Special Offerings
Athletic Fitness
Beginning Sign Language



The **ENGINEERING AND INDUSTRIAL SYSTEMS** super cluster is comprised of five clusters. The ***Architecture & Construction*** cluster includes career specialties in designing, planning, managing, building and maintaining the built environment. The ***Information Technology*** cluster includes career specialties in entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia, and systems integration services. The ***Manufacturing*** cluster includes career specialties in planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as

production planning and control, maintenance and manufacturing/process engineering. The **Science, Technology, Engineering & Mathematics** cluster includes career specialties in planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services. The **Transportation, Distribution & Logistics** cluster includes career specialties in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance. Students with the following interests or talents may wish to consider careers in this super cluster area:

- solving problems using facts and judgment
- working with your hands to assemble, build, improve or repair things
- creating or designing items for work or life
- working accurately and precisely
- using logic, mathematics, and scientific principles to solve complex problems

Foreign Language

French
German
Japanese
Latin
Spanish

Language Arts

AP Literature/Composition
Creative Writing
Debate
English
Journalism
News Production
Speech
Technical Reading & Writing

Mathematics

Accelerated Math Analysis
Algebra 1, 2
AP Calculus
AP Statistics
Geometry
Math Analysis
Math in the Workplace 1 & 2
Pre-Algebra

Professional-Technical Courses

Auto Body/Collision Repair
Technology

Automotive Technology
Business Law
Computer Networking Basics
Computer Science A, AP
Computer Support Essentials
Cooperative Education Programs
Desktop Publishing
Drafting
Electronics Technology
Graphic Communications
ICT—Information Communication Technologies
ICT—Information Communication Technologies—Video/Graphics Applications I & II
IT Internship
Internetworking Techniques
Keyboarding Applications
Marketing Economics
Microsoft Office Applications
Network Administration
Network Operating Systems
Personal Finance
Pre Engineering
Precision Machining
Residential Carpentry

Webmaster Fundamentals/
Advanced HTML
Welding Technology
Science
AP Biology
AP Chemistry
AP Physics
Astronomy
Biology of Idaho
Biology
Chemistry
Earth Science
Ecology/Natural Resource Science
Geology
Horticulture
Physical Science
Physics
Zoology/Fish & Wildlife
Social Studies
American Government
Economics
Practical Law
Psychology
Sociology
U.S. History
Special Offerings
Community Experience Program



The **HEALTH SCIENCES** super cluster is comprised of one cluster: **Health Sciences**. This cluster includes career specialties in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. Students with the following interests or talents may wish to consider careers in this super cluster area:

- reading and learning about medical problems
- developing solutions to scientific questions
- working with people to prevent or correct health-related problems
- learning about how the human body responds to the environment
- using scientific principles to solve complex medical problems

Arts & Crafts

Art
Ceramics
Drawing

Foreign Languages

French
German
Japanese

Latin
Spanish
Health
Health Education
Language Arts
Accelerated English
AP Literature/Composition
Creative Writing

Debate
English
Journalism
News Production
Speech
Technical Reading & Writing
Theater Arts
Yearbook Production

Mathematics

Accelerated Math Analysis

Algebra

Calculus

Geometry

Math Analysis

Math In the Workplace 1 & 2

Pre-Algebra

Professional-Technical Courses

Adult Living 1 & 2

Business Law

Child Development

Computer Applications 1 & 2

Desktop Publishing

Health Occupations: Clinical

Education

Health Occupations: Internship

Health Occupations: Sports

Medicine

Keyboarding Applications

Marketing Economics

Microsoft Office Applications

Orientation to Health Occupations

Teen Living

Physical Education

Physical Education

Lifetime Sports

Lifetime Fitness

Sports Medicine

Science

Biology

Chemistry

Ecology/Natural Resource Science

Horticulture

Physical Science

Physics

Social Studies

American Government

Economics

Practical Law

Psychology

Sociology

U.S. History

Special Offerings

Athletic Fitness

Beginning Sign Language

Community Based Education &

Training

Family Life Education

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The **HUMAN SERVICES** super cluster is comprised of four clusters. The ***Education & Training*** cluster includes career specialties in planning, managing and providing education and training services, and related learning support services. The ***Government & Public Administration*** cluster includes career specialties in executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels. The ***Human Services*** cluster includes career specialties in preparing individuals for employment in career pathways that relate to families and human needs. The ***Law, Public Safety, Corrections & Security*** cluster includes career specialties in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services. Students with the following interests or talents may wish to consider careers in this super cluster area:

- helping others learn new things or acquire information
- learning how society works and groups interact
- studying or assisting in family relations, child care, or human development
- exploring and finding solutions to societal problems and situations
- exploring laws of studying and working in the legal system

Arts & Crafts

Art

Ceramics

Commercial Art

Creative Crafts

Drawing

Painting

Photography

Foreign Language

French

German

Japanese

Latin

Spanish

Language Arts

Accelerated English

AP Literature/Composition

Creative Writing

Debate

English

Journalism

News Production

Speech

Technical Reading & Writing

Theater Arts

Yearbook Production

Mathematics

Accelerated Math Analysis

Algebra

Calculus

Geometry

Math Analysis

Math In the Workplace 1 & 2

Pre-Algebra

Military Science

Army-JROTC

Music

Band

Choir

Dance Team

Orchestra

Professional-Technical Courses

Administrative Support

Adult Living 1 & 2

Business Law

Business Office Procedures

Business Management/Sports &

Entertainment

Child Development

Computer Applications 1 & 2

Computerized Accounting 1 & 2

Cooperative Education Marketing

Elementary Teacher Intern 1 & 2

Filing and Records Management

Foods & Nutrition

Graphic Communications

Health Occupations: Clinical

Education

Health Occupations: Internship

Health Occupations: Sports

Medicine

Keyboarding Applications

Marketing Economics

Marketing Promotion

Microsoft Office Applications

Orientation to Health Occupations

Personal Finance

Entrepreneurship/Creating Your

Own Business

Teen Living

Physical Education

Lifetime Sports

Lifetime Fitness

Sports Medicine

Science

Biology

Chemistry

Ecology/Natural Resource Science

Horticulture